

HIGH SCHOOL HEALTH SCIENCES COURSE CODES GRADES 9-12

High school (grades 9-12) courses in Health Sciences **require 150 contact hours** per Career and Technical Education (CTE) credit.

Course Code	Course Name	Recommended Grade Levels	Description	High School Credit Options*	License/credential Required**
07021	Sign Language I	9-12	This sequential program begins with the basic knowledge of American Sign Language finger spelling, sign vocabulary, basic grammar, and basic conversational skills. Fundamental aspects of the deaf culture and the deaf community are incorporated.	½ or 1 <i>Max credit = 1</i>	License Code: 07020-Sign Language ♦9-12
07022	Sign Language II	9-12	Sign Language II will increase understanding of American Sign Language and its cultural features. Sign language vocabulary is increased. Continuation of Sign Language I with greater emphasis on expressive and receptive signing skills. (Pre-requisite, Sign Language I)	½ or 1 <i>Max credit = 1</i>	
07023	Sign Language III	10-12	Continued study of American Sign Language and its syntax, grammar, and cultural features. Opportunities to develop competency and fluency in the use of American Sign Language. (Pre-requisite Sign Language II)	½ or 1 <i>Max credit = 1</i>	
07024	Sign Language IV	10-12	Further study of the American Sign Language, its syntax, grammar, and cultural features. Advanced skill development in the use of American Sign Language. (Pre-requisite Sign Language III)	½ or 1 <i>Max credit = 1</i>	
07025	Sign Language Cooperative Education	11-12	Provides students with a regularly scheduled, supervised employment opportunity related to sign language occupations to develop and improve work skills. The employment must be preceded by, or concurrent with, classroom instruction related to the work experience. A training agreement is to be developed between work experience partners outlining the expectations of the experience. The training plan shall include provisions for assessment of student progress and or on-site visits by the instructor during student placement.	1 <i>Max credit = 1</i>	
07031	Nurse Assistant Foundation	9-12	The Nurse Assistant Foundation course offers classroom instruction and the necessary skills practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care, or home health care. This course does not require supervised clinical practice hours, but will provide the necessary curriculum and supervised skills training to challenge the state CNA board exam provided by the North Dakota Board of Nursing to become a certified CNA	½ or 1 <i>Max credit = 1</i>	License Code: 07033-Health Careers ♦10-12
07032	Nurse Assistant	10-12	The Nursing Assistant Training program offers classroom instruction and clinical practice to those preparing for employment as a certified nursing assistant in a skilled nursing facility, acute care, or home health care. This program includes supervised practical training and clinical practice as required by the North Dakota Board of Nursing. A certificate is issued upon completion of the class. Students also can take the state CNA board exam to acquire state certification.	½ or 1 <i>Max credit = 1</i>	

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07033	Health Science I	9-12	The Health Science course is an introduction to subject matter pertaining to medically related careers. This introductory course is to help students interested in the medical field determine if a medical career is appropriate for their interests and capabilities. This course will cover subject matter such as History of Medicine, Health Care Systems, Careers in Healthcare and Career Exploration, Personal Qualities and Employability Skills, CPR/First Aid training, Infection Control, Introduction to Anatomy and Physiology and Disease Processes, Safety in Healthcare, Legal and Ethical in Healthcare, Fundamentals of Nutrition, and Growth and Development of the Human Body.	1 or 2 <i>Max credit = 2</i>	
07034	Prevention/Care of Athletic Injuries	9-12	Provides the student with a background in athletic training and basic health care. The course emphasizes injury prevention, first responder management daily for athletic injuries, and skills to fulfill the activities of daily living. Students will be able to complete the requirements to become a student athletic trainer in one semester.	$\frac{1}{2}$ or 1 <i>Max credit = 1</i>	License Code: 07033-Health Careers ♦ 9-12
07035	Health Science II ♦ Prerequisite: Health Science I	10-12	The Health Science II course is available to students who have taken Health Science I and wish to investigate their interest in the medical field further. This course will allow students to study the subject matter covered in Health Science I further and in-depth. Students will expand their skills and knowledge in specific areas of interest as well as have the opportunity for job shadowing experiences in areas of their interest. Emphasis on academics, professional development, leadership, and organizational skills are discussed and practiced throughout this course.	1 or 2 <i>Max credit = 2</i>	
07036	Medical Terminology	9-12	This class is designed to introduce students to the health information technology field. Students will learn prefixes, suffixes, and root words for medical terms. This will include meanings, spellings, and pronunciations. Emphasis is on building a working medical vocabulary based on body systems. Anatomy and physiology of major organs, pathological conditions, laboratory studies, clinical procedures, and abbreviations are studied for each body system. The student will also learn medical terminology related to pathology, diagnostic, surgical, clinical, and laboratory procedures, and common abbreviations and acronyms by body systems.	$\frac{1}{2}$ or 1 <i>Max credit = 1</i>	License Code: 07033-Health Careers ♦ 10-12

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07038	Introduction to Nursing	11-12	This course introduces students to professional nursing roles and attributes. The Quality and Safety Education for Nurses (QSEN) framework will explore standards of nursing care, therapeutic communication, and quality and safety concerns. The University of Mary competencies, Division of Nursing philosophy, and Benedictine values will be explored and applied to nursing.	½ or 1 <i>Max credit = 1</i>	License Code: 07033-Health Careers ♦ 10-12
07040	Medical Records	9-12	To prepare students for employment as medical records clerks. The program covers a wide range of necessary skills, including answering the phone, greeting patients, recording, and filing patient medical records, filling out insurance forms, handling correspondence, and scheduling appointments. The student will also gain an understanding of medical terminology and hospital or clinic procedures, including making arrangements for hospital admissions and laboratory services, handling billing, and bookkeeping.	1 or 2 <i>Max credit = 2</i>	License Code: 07040-Medical Records ♦ 9-12
07044	Emergency Medical Services Foundation	9-12	The Emergency Medical Services Foundations course places a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities of dealing with medical emergencies. These courses may better prepare students to obtain certifications such as Emergency Medical Response (EMR), CPR, First Aid, Incident Command System (ICS), and Wilderness First Responder.	½ or 1 <i>Max credit = 1</i>	License Code: 07045-Emergency Medical Services ♦ 9-12
07045	Emergency Medical Services	9-12	Students enrolling in this course will complete training in CPR for Health Care Providers and the National Curriculum Emergency Medical Technician – Basic Course. The course prepares students to respond to emergencies such as heart attacks, auto accidents, and diabetic problems. Students participate in extensive “hands-on” practical sessions using modern prehospital care equipment under the instruction of paramedics from the local paramedic service. Students also receive exposure to various health careers using professional guest speakers. Upon completion of the course, students are eligible for ND State licensure testing, and they will have extensive knowledge and experience to aid them in choosing a healthcare career.	1 or 2 <i>Max credit = 2</i>	

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07046	Advanced EMS Prerequisite: Emergency Medical Services	10-12	The Advanced Emergency Medical Technician (AEMT) program prepares students to provide basic and limited advanced emergency medical care and transportation for patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary for patient care and transportation. Advanced Emergency Medical Technicians are part of the comprehensive EMS response under medical oversight. AEMT perform interventions with the basic and advanced equipment typically found in an ambulance. The AEMT is a link from the scene to the emergency health care system. Advanced skills taught in the course include IV placement and maintenance and introduction to cardiac monitoring.	1 or 2 <i>Max credit = 2</i>	License Code: 07045-Emergency Medical Services ♦9-12
07050	Medical Diagnostic Technology 1a: Introduction	9-12	Students will explore different diagnostic technology and essential body systems and fluids that must be understood to accurately diagnose a disease, condition, or illness.	1/2 or 1 <i>Max credit = 1</i>	License Code: 07050-Medical Diagnostic Technology 1a: Introduction ♦9-12
07100	Firefighting	11-12	The course is designed to give students new to firefighting the practical and cognitive training needed to operate safely and effectively on the fireground. Students will learn the fundamental skills of becoming a fire fighter: Fire Service; Health and Safety; Personal Protective Equipment; Communications; Fire Behavior; Building Construction; Portable Fire Extinguishers; Tools and Equipment; Ropes and Knots; Forcible Entry; Ladders; Search and Rescue; Ventilation; Water Supply Systems; Fire Hose Appliances and Nozzles; Supply Line and Attack Line; Fire Suppression; Fire Fighter Survival; Salvage and Overhaul; Rehabilitation; Wildland and Ground Cover Fires; Hazardous Materials; and Incident Command Systems.	1 or 2 <i>Max credit = 2</i>	License Code: 07100-Firefighting ♦11-12

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07950	Capstone-Health Sciences	11-12	<p>This course is the culminating and integrative experience designed to allow students to expand their knowledge in their career pathways. It is a project-based course that would take a student through the design process to a finished product, incorporating 21st Century Skills, thinking critically, and solving challenging problems. The course would include a major project, engaging in extended learning and/or an internship. The student must be able to demonstrate through their project all that they have learned in their program of study by applying it. Each capstone project should incorporate the broader community, some aspect of “giving back” to others, encouraging students to connect their project (s) to the community or to integrate outside-of-school learning experiences.</p> <p>Key Requirements:</p> <ol style="list-style-type: none"> 1. Students would meet with the Capstone team (teacher, career advisor, administrator, and parent). 2. Lay out a plan of study (Individual CTE Learning Plan) to meet the goal determined by the Capstone team. 3. Capstone team would monitor progress (assessment) and either add to or change the individual learning plan to meet the student goals. 4. Maintain a portfolio of learning outcomes. 	<p>1/2 or 1</p> <p><i>Max credit = 2</i></p>	<p>License Code: 07033-Health Careers ♦ 9-12</p>

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07999	Health Education Supervised Occupational Experience	11-12	<p>Provides students with a regularly scheduled, supervised employment opportunity related to Health Career Occupations to develop and improve work skills. The employment must be preceded by, or concurrent with, classroom instruction pertaining to the work experience, consistent with the student's occupational goals, and related to the health program area. There shall be a training agreement among all partners regarding the work experience (school, employer, student, and parents/guardians) outlining the expectations of each party. The instructor shall also develop a specific training plan with the employer for each student placed. The training plan shall include provisions for assessing student progress and on-site visits by the instructor during the student's placement.</p> <p>NOTE: Students must be at least 16 years old and may be paid a wage by the employer.</p>	<p>Maximum of 1 credit per semester, not to exceed 4 credits while in high school.</p> <p><i>Max credit = 4</i></p>	<p>License Code: 07033-Health Careers ♦ 9-12</p>

* High school curricular requirements are spelled out in NDCC 15.1-21-02, and High school unit - instructional time is NDCC 15.1-21-03. Maximum credit refers to the maximum units of credit a student may earn for a course over four years of high school. (Example: Band - a student may be enrolled in band all four years of high school -- earning a possible total of four units of credit.)

** Please refer to the second page of the teacher's North Dakota Educator's Professional license to verify which subject areas a teacher is qualified to teach. Licenses and endorsements are obtained on a teaching license from the Education Standards and Practices Board (ESPB).

Credentials are obtained from the Department of Public Instruction (DPI) and issued to individuals with a teaching license.